RCD-1570

CD Player

ROTEL

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Those who haven't heard Rotel's RCD-1570 might believe that there's nothing new in CD players. Those who have heard it tell an entirely different story.

Since 1982, when the CD was introduced, Rotel has been refining technology and evolving circuitry to bring you extraordinary sound. The RCD-1570, the outstanding CD player in Rotel's 15 series, focuses careful refinements to reveal even the most subtle nuances buried in a CD's pit spiral.

One of the RCD-1570's most important features is the Wolfson WM8740 digital filter/stereo digital-to-analog converter. Originally developed for high resolution sources, it is the product of extensive research and real world testing and processes digital signals up to 24-bits in length at sampling rates from 8 kHz to 192 kHz.

While word lengths and sampling speed may seem excessive for CDs delivering data at far lower rates, this high speed facility adds reserve capability to ensure proper reproduction under all circumstances. As the most crucial link between a CD's digital data and the analog world in which we listen, this converter boasts significant attributes in addition to its superb high resolution capabilities.

Another advance is the RCD-1570's slot-loading disc transport. In addition to mechanical simplicity and improved reliability, this design isolates the CD itself from potentially destructive vibration modes that may affect musical definition. And from a purely aesthetic viewpoint, it adds elegance by simplifying the front panel's appearance.

The post-converter analog circuitry benefits from Rotel's decades-long experiences in crafting the finest sounding pathway from the D/A's internal output to single and balanced rear panel connectors that bridge the gap between the RCD-1570 and down-stream components. All circuit components – resistors, capacitors, inductors – are chosen only after their positive contribution to sound quality were quantified and verified qualitatively by extensive listening sessions.

All of these circuits draw on a power supply based on an oversized custom Rotel-designed and precision-manufactured toroidal power transformer that, in turn, feeds precise rectifiers, tight-tolerance voltage regulators, and advanced Slit-Foil low-ESR storage capacitors, all globally-sourced to ensure musically accurate operation under even the most demanding conditions.

XLR connectors provide balanced outputs, long recognized for their superior noise-rejecting characteristics while high quality RCA connectors provide an easy pathway to the myriad of components with single-ended inputs.

This is all part of Rotel's long-proven Balanced Design Concept. It's yet another way of assuring you that the RCD-1570 evidences a level of attention that will make it part of your reference-level music system for years to come.

SPECIFICATIONS

Total Harmonic Distortion + Noise	0.0045% @ 1kHz
Frequency Response (±0.5 dB)	20-20,000Hz
Channel Balance	± 0.5 dB
Channel Separation	> 98 dB @ 1kHz
Signal to Noise Ratio	> 100 dB
Dynamic Range	> 96 dB
Digital to Analog Converters	Wolfson
Speed Accuracy, Wow & Flutter	Quartz Crystal Precision

Analog Output Level / Impedance (0dBFs)	
Unbalanced (RCA)	2.0 volts / 100 ohms
Balanced (XLR)	4.0 volts / 200 ohms
Digital Output Level (coax)	0.5 volt, Peak to Peak
Digital Output Impedance	75 ohms
Power Requirements	
USA Version	AC 120V, 60Hz
European Version	AC 230V, 50Hz
Power Consumption	15 watts
Dimensions (W x H x D)	17 x 4 x 12 5/8 in 431 x 99 x 320mm
Front Panel Height (for rack mount)	2U / 3 1/2 in / 88.1mm
Weight (net)	6.7kg, 14.74 lb

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